

1. Find the additive inverse of: a) -2001 b) 0 c) 256 d) -83 e) -131 f) 200
2. Write the reciprocals of: a) $\frac{3}{7}$ b) 6 c) $3\frac{5}{8}$ d) $\frac{-1}{8}$ e) $7\frac{4}{6}$ f) -9 g) $-\frac{3}{10}$
3. Find the multiplicative inverse of: a) -6 b) 2 c) $-\frac{5}{6}$ d) $-\frac{8}{3}$ e) 5 f) $\frac{10}{13}$
4. Rectangular sheet of paper is $15\frac{3}{4}$ cm long and $12\frac{1}{2}$ cm wide. Find its perimeter. Also find its area.
5. Find the product: a) $(-6) \times (-5) \times (-7) \times (-2) \times (-3)$ b) $(-4) \times (-5) \times (-8) \times (-10)$ c) $(-4) \times (2) \times (-10) \times (7) \times (-3)$
6. Simplify: a) $3\frac{4}{7} \times 2\frac{2}{5} \times 1\frac{3}{4}$ b) $2\frac{2}{17} \times 7\frac{2}{9} \times 1\frac{33}{52}$ c) $3\frac{4}{7} \times 2\frac{2}{5} \times 1\frac{3}{4}$ d) $3\frac{1}{16} \times 7\frac{3}{7} \times 1\frac{25}{39}$
7. a) Subtract the sum of -1032 and 878 from -34 b) Add the difference of 246 from -1284 and -804.
8. Evaluate: a) $(-133) \div 19$ b) $(-84) \div 12$ c) $(-105) \div 21$ d) $(-142) \div 14$ e) $(-173) \div 18$
9. Divide: a) 2.0484 by 0.18 b) 6.612 by 11.6 c) 148 by 0.074 d) 16.578 by 5.4
10. Express in kg using decimals: a) 60 g b) 7380 g c) 6 kg 8g d) 6.2 kg 400 g e) 2 kg 5648 g
11. How much less is: a) 28.8 km than 42.3 km b) 72.33 kg than 86.82 kg c) 107.842 km than 117.423 km
12. Find the products of: a) 73.68×5.4 b) 0.623×0.75 c) 1.245×6.4 d) 54.5×1.76
13. Divide: a) $5\frac{5}{9}$ by $3\frac{1}{3}$ b) $6\frac{7}{8}$ by $\frac{11}{16}$ c) $15\frac{3}{7}$ by $1\frac{23}{49}$ d) $23\frac{4}{8}$ by $8\frac{5}{9}$
14. Simplify: a) $8 - 4\frac{1}{2} - 2\frac{1}{4}$ b) $8\frac{5}{6} - 3\frac{3}{8} + 1\frac{7}{12}$ c) $7\frac{4}{3} - 2 + 4\frac{18}{11}$ d) $1 - 5\frac{13}{2} + 9\frac{8}{14}$
15. The sum of two integers is 93. If one of them is (-59), find the other number.
16. The total weight of some bags of cement is 1743 kg. If each bag weighs 49.8 kg, how many bags are there?
17. Sapna earns Rs.24,000 per month. She spends $\frac{7}{8}$ of her income and deposits rest of the money in a bank. How much money does she deposit in the bank each month? If her salary increment to Rs.26,000, what will be her new deposits?
18. The product of two decimals is 1.508. Find the other, if one of them is: a) 0.56 b) 0.48 c) 1.2
19. Find the sum: a) $\frac{7}{15} + \frac{11}{16} + \frac{9}{24}$ b) $3\frac{4}{5} + 2\frac{3}{10} + 1\frac{1}{15}$ c) $8\frac{3}{4} + 10\frac{2}{5}$ d) $2\frac{1}{8} + 9\frac{12}{25} + \frac{36}{4}$
20. How many pieces of plywood, each 0.35 cm thick, are required to make a pile 1.89 m high?
21. Nine boards are stacked on top of each other. The thickness of each board is $3\frac{2}{3}$ cm. How high is the stack?
22. In a game, you lose 6 points for each wrong answer and gain 4 for each correct answer. If a student answers 6 questions correctly and 4 wrongly, what is the total score?
23. By selling oranges at the rate of Rs. $6\frac{3}{4}$ per orange, a man gets Rs.378. How many oranges does he sell?
24. 1.8 m of cloth is required for a shirt. How many such shirts can be made from a piece of cloth 45 m long?
25. If $a=-9$, $b=3$ and $c=-6$, find the value of: a) $a \times b + b \times c + c \times a$ b) $(a + b) \times (b + c) \times (c + a)$
26. Arrange the fractions in ascending order: a) $\frac{2}{3}, \frac{3}{5}, \frac{7}{10}, \frac{8}{15}$ b) $\frac{2}{4}, \frac{5}{18}, \frac{6}{12}, \frac{7}{3}$ c) $\frac{4}{20}, \frac{1}{10}, \frac{7}{13}, \frac{9}{17}$ d) $1\frac{2}{3}, \frac{3}{7}, 2\frac{4}{14}, \frac{12}{16}$
27. A film show lasted for $3\frac{2}{3}$ hours. Out of this time, $1\frac{1}{2}$ hours was spent on advertisements. What was the actual duration of the film? If expense incurred in advertisement is Rs.120/min, find the total expense of advertisement.
28. Rohit purchased a notebook for Rs.23.75, a pencil for Rs.2.85 and a pen for Rs.15.90. He gave a Rs.50 note to the shopkeeper. What amount did he get back? Shopkeeper suddenly remembers that he evaluated wrong prices, correct prices are Rs.24.00, Rs.2.95 and Rs.16 respectively. How much money is returned by Rohit to shopkeeper?
29. What should be added to: a) $15\frac{2}{3}$ to get $18\frac{5}{6}$ b) $11\frac{3}{4}$ to get $17\frac{8}{14}$ c) $9\frac{1}{5}$ to get 12 d) 7 to get $12\frac{3}{5}$
30. Subtract: a) 0.86 from 5.05 b) 6.732 from 9.001 c) 2.5307 from 8 d) 7.64884 from 10
31. What is to be subtracted from: a) 8.1 to get 0.813 b) 7.05 to get 2.7 c) 3.333 to get 4.2860
32. A car covers a distance of 108.9 km in 1.8 hours. What is the average speed of the car?
33. Which one is greater: a) $\frac{3}{5}$ or $\frac{1}{8}$ b) $\frac{9}{16}$ or $\frac{3}{24}$ c) $\frac{3}{7}$ or $\frac{5}{8}$ d) $\frac{15}{12}$ or $\frac{13}{14}$
34. A can of paint covers 13.75 square metres. How many cans are needed to paint a wall of area 124.5 square metres?
35. A bucket contains $20\frac{1}{4}$ litres of water. A small jug has a capacity of $\frac{3}{4}$ litre. How many times the jug has to be filled with water from the bucket to get it emptied?

- Dimensions of rectangle are $13\frac{2}{6}$ cm long and $10\frac{7}{4}$ cm wide. Find its perimeter and area.
- Find the product: a) $(-4) \times (-2) \times (1) \times (-9)$ b) $(-6) \times (-2) \times (14) \times (-4)$ c) $(-12) \times (8) \times (-14) \times (4) \times (-7)$
- Simplify: a) $6\frac{4}{6} \times 2\frac{2}{6} \times 1\frac{6}{4}$ b) $2\frac{2}{16} \times 6\frac{8}{9} \times 1\frac{2}{6}$ c) $3\frac{4}{6} \times 2\frac{2}{6} \times 1\frac{6}{4}$ d) $6\frac{1}{16} \times 4\frac{4}{7} \times 1\frac{26}{2}$
- a) Subtract the sum of -1062 and 464 from -64 b) Add the difference of 246 from -1244 and -404.
- Evaluate: a) $(-166) \div 19$ b) $(-44) \div 12$ c) $(-106) \div 21$ d) $(-142) \div 14$ e) $(-106) \div 14$
- Write the reciprocals of: a) $\frac{8}{3}$ b) 6 c) $1\frac{3}{4}$ d) $\frac{-1}{4}$ e) $2\frac{4}{11}$ f) -9 g) $-\frac{2}{10}$
- Find the multiplicative inverse of: a) -6 b) 2 c) $-\frac{2}{3}$ d) $-\frac{4}{7}$ e) 7 f) $\frac{10}{16}$
- How much less is: a) 24.4 km than 42.6 km b) 62.66 kg than 46.42 kg c) 106.442 km than 136.426 km
- Find the products of: a) 66.64×6.4 b) 0.626×0.66 c) 1.246×6.4 d) 64.6×1.66
- Divide: a) $6\frac{9}{4}$ by $5\frac{1}{6}$ b) $6\frac{6}{4}$ by $\frac{13}{16}$ c) $16\frac{3}{7}$ by $1\frac{21}{7}$ d) $26\frac{7}{1}$ by $4\frac{4}{9}$
- Simplify: a) $4 - 4\frac{1}{2} - 2\frac{1}{4}$ b) $4\frac{2}{4} - 6\frac{6}{4} + 1\frac{6}{12}$ c) $6\frac{4}{6} - 2 + 4\frac{14}{13}$ d) $1 - 6\frac{16}{2} + 9\frac{4}{14}$
- Divide: a) 2.0444 by 0.14 b) 6.612 by 13.6 c) 144 by 0.064 d) 16.664 by 6.4
- Express in kg using decimals: a) 60 g b) 7440 g c) 4 kg 8g d) 9.2 kg 400 g e) 2 kg 2344 g
- The sum of two integers is 96. If one of them is (-69), find the other number.
- The product of two decimals is 1.604. Find the other, if one of them is: a) 0.66 b) 0.44 c) 1.2
- Find the sum: a) $\frac{6}{16} + \frac{13}{16} + \frac{9}{24}$ b) $6\frac{4}{6} + 2\frac{7}{10} + 1\frac{1}{16}$ c) $3\frac{6}{4} + 10\frac{2}{6}$ d) $2\frac{1}{4} + 9\frac{12}{26} + \frac{24}{4}$
- Find the additive inverse of: a) -2001 b) 0 c) 266 d) -46 e) -161 f) 200
- How many pieces of plywood, each 0.66 cm thick, are required to make a pile 1.49 m high?
- The total weight of some bags of cement is 1743 kg. If each bag weighs 49.8 kg, how many bags are there?
- Sapna earns Rs.24,000 per month. She spends $\frac{6}{4}$ of her income and deposits rest of the money in a bank. How much money does she deposit in the bank each month? If her salary increment to Rs.26,000, what will be her new deposits?
- 1.4 m of cloth is required for a shirt. How many such shirts can be made from a piece of cloth 46 m long?
- If $a = -9$, $b = 6$ and $c = -6$, find the value of: a) $a \times b + b \times c + c \times a$ b) $(a + b) \times (b + c) \times (c + a)$
- Arrange the fractions in ascending order: a) $\frac{2}{3}, \frac{6}{5}, \frac{7}{10}, \frac{4}{16}$ b) $\frac{7}{4}, \frac{6}{14}, \frac{2}{13}, \frac{11}{7}$ c) $\frac{4}{20}, \frac{7}{19}, \frac{4}{15}, \frac{9}{11}$ d) $1\frac{2}{7}, \frac{2}{3}, 2\frac{4}{14}, \frac{12}{16}$
- A film show lasted for $6\frac{2}{6}$ hours. Out of this time, $1\frac{1}{2}$ hours was spent on advertisements. What was the actual duration of the film? If expense incurred in advertisement is Rs.120/min, find the total expense of advertisement.
- Rohit purchased a notebook for Rs.26.66, a pencil for Rs.2.46 and a pen for Rs.16.90. He gave a Rs.60 note to the shopkeeper. What amount did he get back? Shopkeeper suddenly remembers that he evaluated wrong prices, correct prices are Rs.28.00, Rs.2.96 and Rs.17 respectively. How much money is returned by Rohit to shopkeeper?
- What should be added to: a) $16\frac{2}{6}$ to get $14\frac{6}{6}$ b) $13\frac{6}{4}$ to get $16\frac{4}{14}$ c) $9\frac{1}{6}$ to get 12 d) 6 to get $12\frac{6}{6}$
- Subtract: a) 0.46 from 6.06 b) 6.662 from 9.001 c) 2.6606 from 4 d) 6.64444 from 10
- What is to be subtracted from: a) 4.1 to get 0.416 b) 6.06 to get 2.6 c) 6.333 to get 4.2460
- A car covers a distance of 104.9 km in 1.4 hours. What is the average speed of the car?
- Nine boards are stacked on top of each other. The thickness of each board is $6\frac{2}{6}$ cm. How high is the stack?
- In a certain game, players are penalized 5 points for every incorrect answer and awarded 4 points for each correct one. A student attempts a total of questions, answering 6 correctly and 4 incorrectly. Based on the scoring rules, calculate the student's final total score in the game.
- By selling oranges at the rate of Rs. $2\frac{5}{4}$ per orange, a man gets Rs.664. How many oranges does he sell?
- Which one is greater: a) $\frac{3}{2}$ or $\frac{1}{4}$ b) $\frac{9}{16}$ or $\frac{6}{24}$ c) $\frac{4}{7}$ or $\frac{6}{4}$ d) $\frac{16}{12}$ or $\frac{16}{14}$
- A can of paint covers 16.2 square metres. How many cans are needed to paint a wall of area 124.6 square metres?
- A bucket contains $20\frac{1}{4}$ litres of water. A small jug has a capacity of $\frac{6}{4}$ litre. How many times the jug has to be filled with water from the bucket to get it emptied?

